



Material Content Data Sheet



Sales Product Name	SPP18P06P H			Issued		28. August 2013		
MA#	MA000669308							
Package	PG-TO220-3-1			Weight*		2030.36 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	2.472	0.12	0.12	1217	1217
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.16	40.21	401570	402094
wire	non noble metal	aluminium	7429-90-5	2.843	0.14	0.14	1400	1400
encapsulation	organic material	carbon black	1333-86-4	5.952	0.29		2931	
	plastics	epoxy resin	-	113.080	5.57		55695	
	inorganic material	silicondioxide	60676-86-0	476.128	23.45	29.31	234504	293130
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10571	10571
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120
solder	non noble metal	antimony	7440-36-0	0.155	0.01		76	
	noble metal	silver	7440-22-4	0.388	0.02		191	
	non noble metal	tin	7440-31-5	1.009	0.05	0.08	497	764
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.03	29.07	290326	290704
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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